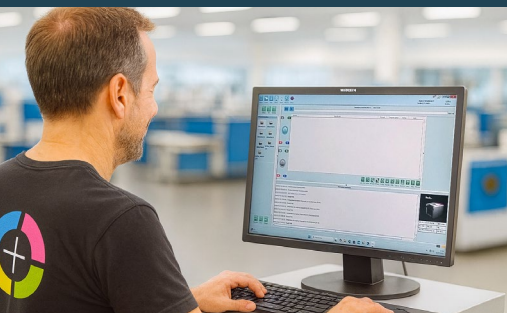




AVALON C4-30

4-UP THERMAL PLATESETTERS



The Avalon C4-30 thermal computer-to-plate system is a compact yet powerful solution for commercial and packaging printers, combining automation with high-quality imaging. It handles plates up to 925 x 675 mm, with a throughput of up to 21 or 29 plates per hour.

Designed for efficiency and profitability, the Avalon C4-30 ensures seamless operation and top-tier image quality. Optional features include an inline punching system and flexible loading options—cassette, single, or multi-cassette loader—for maximum automation and convenience.

ECO3 offers the Avalon C4-30 as part of a complete system solution, including offset plates, Apogee or Amfortis workflow software, screening technologies and support contracts.

YOU
PRINT.
WE
CARE.

Exceptional print quality and speed

The Avalon C4-30 utilizes multi-channel fiber-coupled thermal laser-diode technology, providing precise dot reproduction on the plate for print quality up to 240 lpi Sublima screening. With 32 or 48 channels, the Avalon C4-30 delivers a maximum plate output of up to 21 or 29 plates per hour.

Flexible workflow

Empower your operators with flexibility. Load a plate while imaging another, leaving the unit unattended. As the first plate exits the external drum, the second plate automatically enters the system – all without requiring operator intervention.

Process automation

Enhance efficiency with a range of automated loading options: an integrated cassette which holds 50 plates, a single autoloader, available with 200 or 500 plate capacity, or a multi-autoloader featuring 3 cassettes, each holding 50 plates.

For seamless workflow integration, activate the inline press punch before loading the plate onto the external drum. After imaging, plates are automatically transferred to an online processor or clean-out unit.

Additionally, the L-bridge offers flexible plate routing in three different directions, with the option to integrate punching sets.

MODEL	AVALON C4-30 E	AVALON C4-30 S
Imaging technology	32-channel laser diodes	48-channel laser diodes
Laser type	830 nm thermal laser diodes	
Recording system	External drum	
Press punch	Max. 3 units	
Resolutions	1200/2400/2540/2800 dpi	
THROUGHPUT		
Throughput pph (925 x 675 mm, 2400 dpi)	21 plates per hour	29 plates per hour
PLATE LOADING & UNLOADING CONFIGURATION		
Manual loading/unloading	Yes	
Autoloader options	Integrated ALS Avalon C4 ALS Avalon C4 ALS 500 Avalon C4 ALM3	
PLATE CHARACTERISTICS		
Min plate size (along drum x around drum)	240 × 240 mm (9.45 × 9.45") 320 × 240 mm (12.56 × 9.45") with a C4 ALS, C4 ALM or C4 ALS 500 autoloader	
Max plate size (along drum x around drum)	925 × 675 mm (36.42 × 26.57")	
Thickness	0.15 - 0.30 mm (6 - 12 mil)	
Max exposure size (along drum x around drum)	925 × 663 mm (36.42 × 26.1")	
Environment (CtP and autoloader)		
Weight	Standalone: 1,080 kg (2,381.0 lb)	
Size (W x D x H)	Standalone: 1,650 × 1,990* × 1,070 mm (64.96 × 78.35* × 42.13") (*including loading and output table)	
Temperature range	Recommended: 21-25 °C	
Humidity range	40-70 % RH (no condensation)	
Power	Single-phase 200-240 V, 50/60 Hz	

AUTOLOADERS	INTEGRATED ALS	AVALON C4 ALS	AVALON C4 ALS 500	AVALON C4 ALM3
Plate capacity	50 plates	200 plates	500 plates	3 x 50 plates
Number of cassettes	1 cassette	1 cassette	1 cassette	3 cassettes
Weight	-	560 kg (1,234.6 lb)	560 kg (1,234.6 lb)	600 kg (1,322.8 lb)
Size (W x D x H)	-	1,600 x 1,100 x 1,100 mm (63.00 x 43.31 x 43.31")	1,600 x 1,100 x 1,100 mm (63.00 x 43.31 x 43.31")	1,600 x 1,200 x 1,100 mm (63.00 x 47.24 x 43.31")